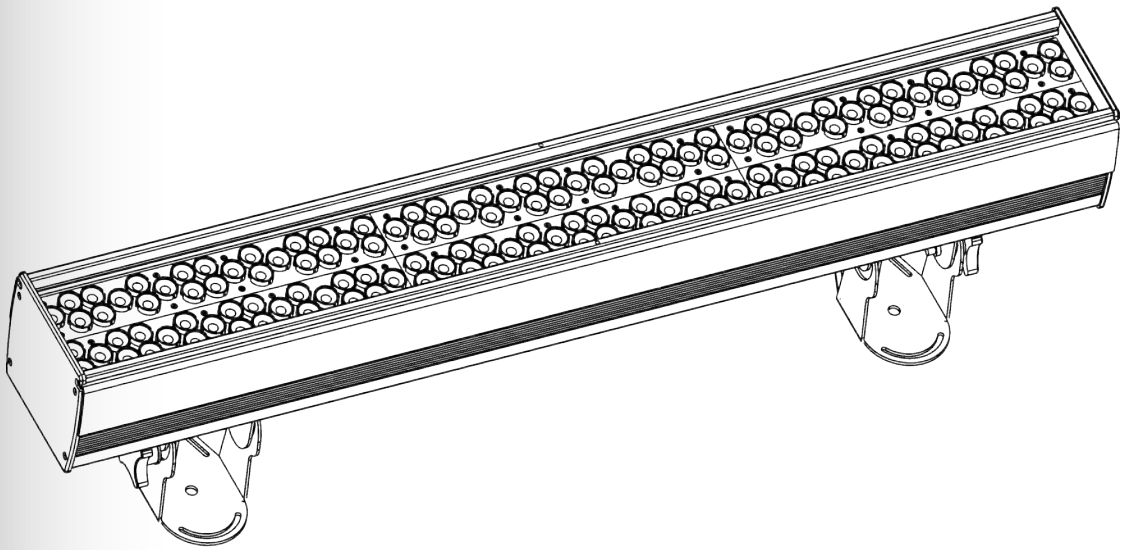
COLORADO™ BATTEN 144 TOUR

User Manual



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Edition Notes

The COLORado™ Batten 144 Tour User Manual Rev. 01e covers the description, safety precautions, installation, programming, operation, and maintenance of the COLORado™ Batten 144 Tour. CHAUVET® released this edition of the COLORado™ Batten 144 Tour User Manual in May 2011.

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For better results, print this document in color, on letter size paper (8.5 x 11 inches), double sided. If using A4 paper (210 x 297 mm), configure your printer to scale the content accordingly.

Intended Audience

Any person in charge of installing, operating, and/or maintaining this product should read the guide that shipped with it as well as this manual in their entirety before installing, operating, or maintaining this product.

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Document Revision

The COLORado™ Batten 144 Tour User Manual Rev. 01e supersedes all previous versions of this manual. Please discard any older versions of this manual you may have, whether in printed or electronic format, and replace them with this version.

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1. Before You Begin

What is Included

- One COLORado™ Batten 144 Tour
- One glare shield
- One power input cord
- One safety cable
- Warranty Card
- Quick Reference Guide

Unpacking Instructions

Immediately upon receiving this product, carefully unpack it and check the container in which you received it. Make sure that you have received all the parts indicated above and that they are all in good condition. If the material inside the container (this product and any other accessory included with it) appears damaged from shipping, or if the container shows signs of mishandling, notify the shipper immediately. In addition, retain the container and all the packing material for inspection.

See the *Claims* section in the *Technical Information* chapter.

Typographic Conventions

Convention	Meaning
1~512	A range of values in the text
50/60	A set of mutually exclusive values in the text
Claims	A new term, or a section or chapter in this document
“COLORado™ 1 UM”	The name of another publication or manual
<SET>	A button on the fixture’s control panel
Settings	A fixture function or a menu option
MENU > Settings	A sequence of menu options
1~10	A range of menu values from which to choose in a menu
Yes/No	A set of two mutually exclusive menu options in a menu
ON	A unique value to be entered or selected in a menu

Icon Meaning

Icon	Meaning
	This icon indicates critical installation, configuration, or operation information. Failure to comply with this information may render the fixture partially or completely inoperative, damage third-party equipment, or cause harm to the user.
	This icon indicates important installation or configuration information. Failure to comply with this information may prevent the fixture from functioning correctly.
	This icon indicates useful, although non-critical information.

The term “DMX” used throughout this document refers to the USITT DMX512-A transmission protocol.

Product at a Glance

Use on Dimmer	X	Auto Programs	P
Outdoor Use	X	Auto-ranging Power Supply	P
Sound Activated	X	Replaceable Fuse	P
DMX	P	User Serviceable	X
Master/Slave	P	Duty Cycle	X

Safety Notes

Please read the following notes carefully because they include important safety information about the installation, usage, and maintenance of this product.

It is important to read all these notes before starting to work with this product.

There are no user serviceable parts inside this product. Any reference to servicing it you may find from now on in this User Manual will only apply to properly CHAUVET® certified technicians. Do not open the housing or attempt any repairs unless you are one of them.

Please refer to all applicable local codes and regulations for the proper installation of this product.

Personal Safety

- Avoid direct eye exposure to the light source while the fixture is on.
- Always disconnect this product from its power source before servicing.
- Always connect this product to a grounded circuit to avoid the risk of electrocution.
- Do not touch this product's housing when operating because it may be very hot.

Mounting and Rigging

- This product is for indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture.
- Make sure there are no flammable materials close to this product while operating.
- When hanging this product, always secure it to a fastening device using a safety chain/cable (included).

Power and Wiring

- Always make sure that you are connecting this product to the proper voltage, as per the specifications in this manual or on the product's sticker.
- Never connect this product to a dimmer pack or rheostat.
- Never disconnect this product by pulling or tugging on the power cable.

Operation

- Do not operate this fixture if you see damage on the housing, lenses, or cables. In any of these cases, have the damaged parts replaced by an authorized technician at once.
- Do not cover the ventilation slots when the fixture is operating to avoid internal overheating.
- The maximum ambient temperature (Ta) is 104° F (40° C). Do not operate this product at a higher temperature.
- In case of a serious operating problem, stop using this product immediately!

In the unlikely event that your product may require service, please contact CHAUVET® Technical Support.

Expected LED Lifespan

LEDs gradually decline in brightness over time, mostly because of heat. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal, single LED conditions. For this reason, using clustered LEDs at their fullest intensity significantly reduces the LEDs' lifespan. Under normal conditions, this lifespan can be of 40,000 to 50,000 hours. If extending this lifespan is vital, lower the operational temperature by improving the fixture's ventilation and reducing the external temperature. In addition, limiting the overall projection intensity may also help to extend the LEDs' lifespan.

2. Introduction

Product Description

The COLORado™ Batten 144 Tour is RGBWA linear LED wash light fixture. It consists of a single module that accommodates the internal power supply, the main control, the control panel, the LED drivers, the LED boards and lenses as well as the power and signal connectors. It features two mounting brackets that double as floor mount feet and hanging support brackets. These brackets have tilt adjust knobs to simplify mounting this fixture.

Features

- 3, 4, 5, 6, 7, 9, 12, or 15-channel RGBWA linear LED wash light
- Operating modes:
  - 3-channel: Hue, saturation, value control (HSV)
  - 3-channel: RGB control (ARC1)
  - 4-channel: RGB, dimmer (ARC1+D)
  - 5-channel: RGBWA (ARC3)
  - 6-channel: RGBWA, dimmer (ARC3+D)
  - 7-channel: RGBWA, dimmer, strobe (ARC3+S)
  - 9-channel: RGB control per block (BLOCK1)
  - 12-channel: RGBWA, dimmer, color macro, strobe, auto/custom, auto speed, module select, dimmer speed (TOUR)
  - 15-channel: RGBWA control per block (BLOCK2)
- RGBWA color mixing with or without DMX controller
- Built-in automated programs via DMX
- User configurable programs (custom)
- Recall custom or auto programs via master/slave or DMX

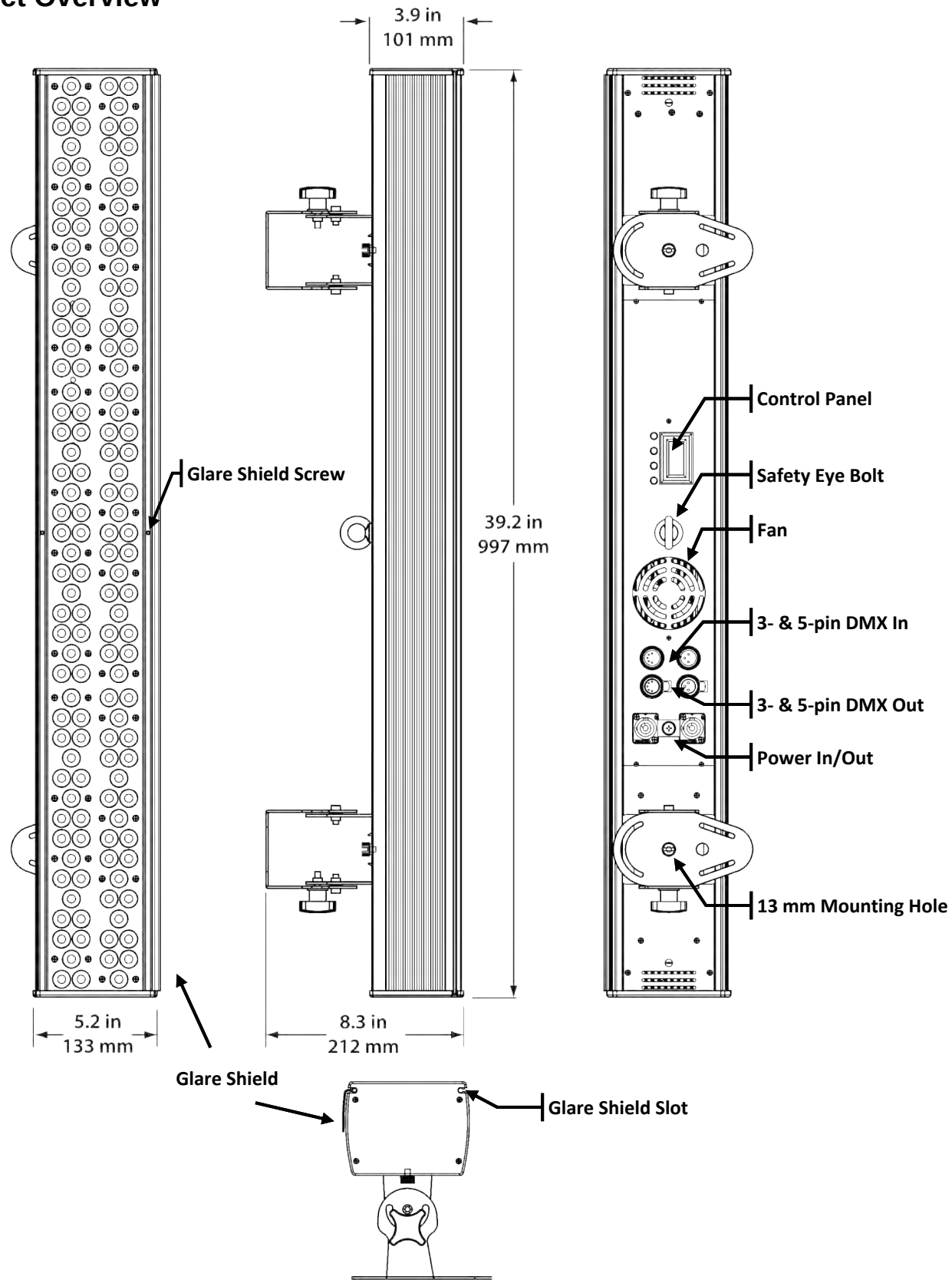
Additional Features

- Five distinct dimming curves
- Additional power output: max. 3 units @ 120 V
- Neutrik® powerCON® connectors
- 3- and 5-pin DMX input and output connectors
- LCD display with password protection

Options

- 20-pc, 30º Lens Kit (01110081)
- 24-pc, 15º Lens Kit (01110082)

Product Overview



3. Setup

AC Power

The COLORado™ Batten 144 Tour has an auto-ranging power supply that can work with an input voltage range of 100~240 VAC, 50/60 Hz.

Make sure that you are connecting this product to the proper voltage, as per the specifications in this guide, the product's user manual, or on the product's sticker.

Always connect this product to a protected circuit with an appropriate electrical ground to avoid the risk of electrocution or fire.

To determine the power requirements for the COLORado™ Batten 144 Tour see the label affixed to the side of the fixture. Alternatively, you may refer to the *Technical Specifications* chart in the *Technical Information* chapter of this manual.

The listed current rating indicates the maximum current draw during normal operation. For more information, you may download the "Sizing the Circuit Breakers" document from the CHAUVET® Web site.

Never connect this product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

AC Plug

The COLORado™ Batten 144 Tour comes with a power input cord terminated with a Neutrik® powerCON® A/IEC connector on one end an Edison plug on the other end (US market). If the power input cord that came with your product has no plug or you need to change the Edison plug, use the table below to wire the new plug.

Connection	Wire (US)	Wire (Europe)	Screw Color
AC Live	Black	Brown	Yellow or Brass
AC Neutral	White	Blue	Silver
AC Ground	Green/Yellow	Green/Yellow	Green

Power Linking

You can link up to three (3) COLORado™ Batten 144 Tour units to this product at 120 VAC. Make sure to never exceed this number.

Make sure to disconnect the fixture's power cord before replacing a blown fuse, and always replace it with a fuse of the same type and rating.

Fuse Replacement

1) Disconnect the fixture from the power outlet.
2) With a Phillips #2 head screwdriver, unscrew the fuse holder cap from its housing.
3) Remove the blown fuse and replace it with a good fuse of the same type and rating (F 3.15 A @ 250 V).
4) Screw the fuse holder cap back in its place and reconnect power.

DMX Linking

You may link the COLORado™ Batten 144 Tour to a DMX controller using a standard DMX serial connection. If using other DMX compatible fixtures with this product, it is possible to control them individually with a single DMX controller.

If you are not familiar with the DMX standard, or if you need information about the DMX cables needed to link this product to a DMX controller, you may download the "DMX Primer" document from the CHAUVET® Web site.

DMX Modes

The COLORado™ Batten 144 Tour uses the standard DMX data connection for its **TOUR**, **BLOCK1**, **BLOCK2, ARC1**, **ARC1+D**, **ARC3**, **ARC3+D**, **ARC3+S**, and **HSV** DMX personalities. You will find information about these DMX mode in the *Operation* chapter (configuration details), and the *DMX Values* section (individual channel values).

Master/Slave Connectivity

The Master/Slave mode allows a COLORado™ Batten 144 Tour fixture to control one or more fixtures of the same model without a DMX controller. The controlling fixture becomes the "master fixture" when running an Auto or Custom program, or by being in STATIC mode. You must configure the controlled (slave) fixtures to operate in "SLAVE" mode from their respective control panels. During the Master/Slave operation, the slave fixtures will operate in unison with the master fixture.

The master links to the slave fixtures using the standard DMX serial connection. If you are not familiar with the Master/Slave connectivity, you may download the "DMX Primer" document from the CHAUVET® Web site.

DO NOT connect a DMX controller to the fixtures operating in Master/Slave mode. Otherwise, the signals from the DMX controller may interfere with the signals from the master fixture.

The *Operation* chapter of this manual provides detailed instructions on how to configure the Master and Slave units.

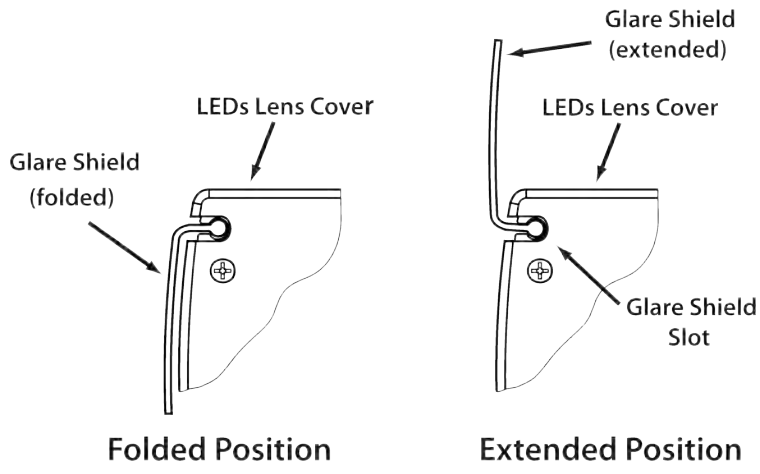
Glare Shield

The COLORado™ Batten 144 Tour comes with a glare shield already mounted on the side of the unit. Please refer to the *Product Overview* diagram for reference.

To extend the glare shield, do the following:

1) Loosen the glare shield screw on the front of the fixture.
2) Slide the glare shield on either direction until it is free.
3) Turn over and reinsert the glare shield into either slot so it projects itself over the LEDs lens cover, as shown below.
4) Adjust the angle of the glare shied and tighten the glare shield screw.

Extending the Glare Shield



Lens Replacement

The COLORado™ Batten 144 Tour comes with 15° and 30º lenses already installed. However, it is possible to change this configuration by using the optional 15º or 30º LED lenses. In this case, you may order as many 15º or 30º lens kits, as necessary to suit your needs. Follow the instructions below to to change or replace the LED lenses.

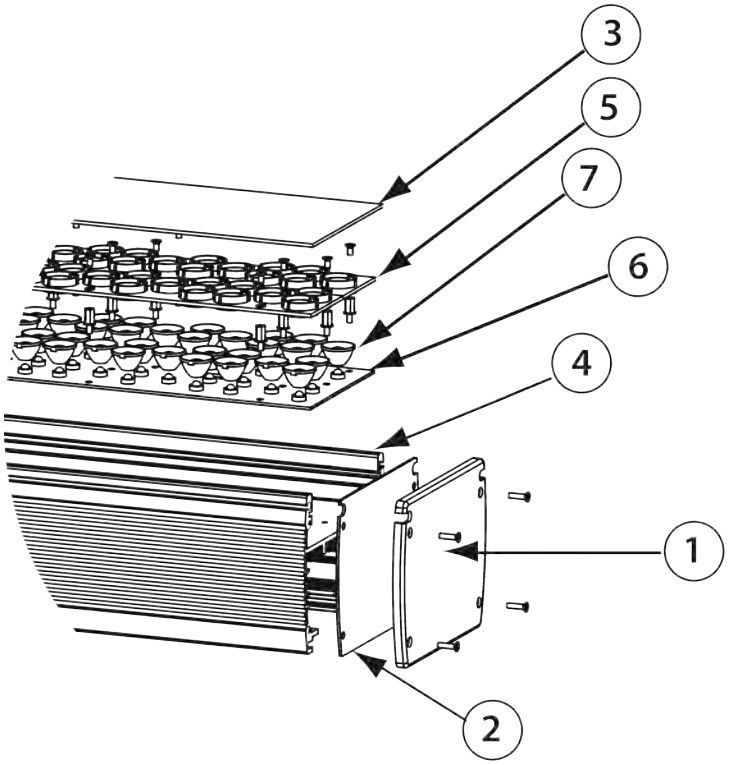
- **Disconnect the fixture from the AC power before opening it.**
- **This procedure gives you direct access to the LEDs, which are very fragile. Use maximum care when handling the lenses over the LED assembly.**

- **The numbers in parenthesis in the procedure below correspond to the parts indicated in the *Lens Replacement Diagram*.**
- **The lenses in the 15º lens kit come already mounted on a lens holder, whereas the lenses of the 30º lens kit come in a bag.**

Procedure

1) Remove the four screws that hold either one of the side covers (1).
2) Remove the plastic side cover and the internal metallic plate (2).
3) Slide the clear cover (3) along the rails (4) to expose the lens holders (5).
4) Remove the eight screws that hold each of the six lens holders.
5) Remove the lens holders from the fixture.
6) Make sure not to touch the LED board (6) in the process.
7) If installing 15º lenses, just install the new lens holder with the 15º lenses.
8) If installing 30º lenses:
   a) Remove the existing lenses (7) from the lens holder by pushing them from the back.
   b) Install the new lenses on the lens holder, making sure that you have inserted them fully into the lens sockets.
9) Reverse steps “1” to “5” to complete the lens replacement procedure.

Lens Replacement Diagram



Mounting

Before mounting this product, read and follow the safety recommendations indicated in the *Safety Notes* section (page 2 of this manual).

Orientation

Always mount this product in any safe position while making sure that there is adequate room around it for ventilation, configuration, and maintenance.

Rigging

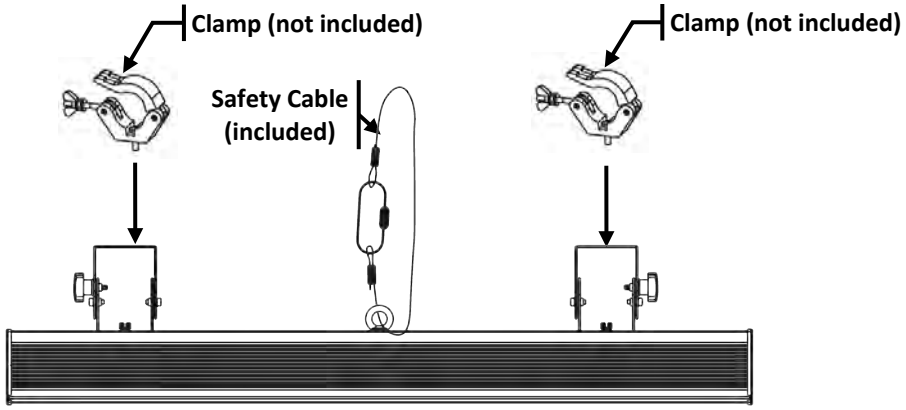
CHAUVET® recommends following the general guidelines below when mounting this product.

- When selecting an installation location, consider ease of access to the fixture for operation, programming adjustments, and routine maintenance.
- Make sure to mount this product away from any flammable material as indicated in the *Safety Notes* section.
- Never mount the product in places where rain, high humidity, extreme temperature changes, or restricted ventilation may affect it.
- If hanging this product, make sure that the location where you are mounting it can support its weight. Please see the *Technical Specifications* section of this manual for the weight requirement of this fixture.

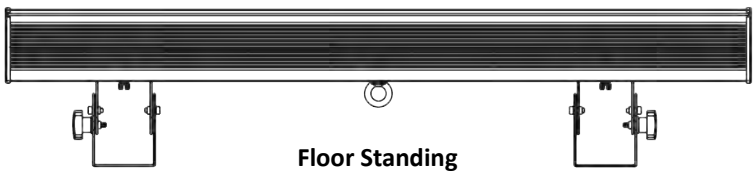
Procedure

The COLORado™ Batten 144 Tour comes with two adjustable feet that double as hanging brackets to which you can attach “C” or “O” clamps. These feet also serve as floor or wall mount supports. You must supply your own “C” or “O” clamps and make sure that they are capable of supporting the weight of this fixture. You will have to use two mounting points per fixture.

Product Mounting Diagram



Overhead Mounting



Floor Standing

4. Operation

Control Panel Description

Button	Function
<MENU>	Exits from the current menu or function
<ENTER>	Enables the currently displayed menu or sets the currently selected value in to the current function
<UP>	Navigates upwards through the menu list and increases the numeric value when in a function
<DOWN>	Navigates downwards through the menu list and decreases the numeric value when in a function

Control Options

You can set the COLORado™ Batten 144 Tour start address in the 001~512 DMX range. This allows for the control of up to 34 fixtures in the 15-channel **BLOCK2** personality.

Programming

Refer to the *Menu Map* on page 14 to learn how the menu options relate to each other. The menu map has a Menu Level and a variable number of programming levels for each option.

To go to an option in the Menu Level, press **<MENU>** repeatedly until the option shows on the display. Press **<ENTER>** to select it. This will take you to the first programming level for that option.

To select an option or value within the current programming level press **<UP>** or **<DOWN>** until it shows on the display. Press **<ENTER>** to accept it. In this case, if there is another programming level, you will see its first option. Otherwise, you will see the selected value.

To exit to the previous menu level, press **<MENU>**.

DMX Personality

This setting allows the user to choose a particular DMX personality.

1) Go to ***PERS***.
2) Select the desired personality (**TOUR**, **ARC1**, **AR1+D**, **ARC3**, **AR3+D**, **AR3+S**, **HSV**, **BLOCK1**, or **BLOCK2**).

- **See the *DMX Values* section for the highest starting address you can select for each personality.**
- **Make sure that the starting addresses on the various fixtures do not overlap due to the new personality setting. See the *DMX Values* section.**

DMX Control

In this mode, each unit will respond to a unique starting address from the DMX controller. All units with the same starting address will respond in unison.

1) Select a DMX personality as shown in DMX Personality.
2) Set the running mode:
   a) Go to ***RUN***.
   b) Select **DMX**.
3) Set the starting address:
   a) Go to ***ADDRESS***.
   b) Select the starting address (**001~512**).

The highest recommended starting address for each DMX mode are as follows:

DMX Mode	DMX Address	DMX Mode	DMX Address	DMX Mode	DMX Address
TOUR	501	**ARC3**	508	**HSV**	510
ARC1	510	**ARC3+D**	507	**BLOCK1**	504
ARC1+D	509	**ARC3+S**	506	**BLOCK2**	498

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Static Color

The Static Color mode allows for permanent RGBWA color mixing without a DMX controller.

1) Go to ***STATIC***.
2) Select the desired color (***RED***, ***GREN***, ***BLUE***, ***WHIT***, or ***AMBE***).
3) Select the desired color value (**0**~**255**).
4) Repeat for the other colors.
5) Select ***STRB***.
6) Select the desired frequency (**0**~**20**).

Auto Programs

Auto programs allow for dynamic RGBWA color mixing without a DMX controller.

1) Go to ***AUTO***.
2) Select the desired auto (**AUTO01~10**) or custom program (**CUSTOM01~10**).
3) When selecting an auto program, you can also select the auto playing speed (**SP000~255**).

You cannot edit any of the auto programs (AUTO01~10). However, you can edit the custom programs (CUSTOM01~10). See *Edit Customs* for details.

Edit Customs

This setting allows the programming of up to 30 scenes for each of the 10 customizable programs, including colors and effects.

1) Go to ***EDIT***.
2) Select the desired auto program (***CUSTOM01~10***).
3) Select the desired scene (***SCENE01~30***).
4) Select the desired color or effect (***RED***, ***GREN***, ***BLUE***, ***WHIT***, ***AMBR***, ***STRB***, ***TIME,*** or ***FADE***).
5) Select the color or effect value (**000~255** for colors and timers, or **00~20** for strobe).
6) Repeat for the other colors or effects.
7) Return to the **SCENE** level (step “3”).
8) Repeat the settings of colors and effects for the other scenes.

Master/Slave

The Master/Slave mode allows a group of COLORado™ Batten 144 Tour fixtures (the slave units) to simultaneously duplicate the output of another COLORado™ Batten 144 Tour (the master unit), whether static mode settings or auto/custom programs, without a DMX controller.

1) Set the master unit:
   a) Set the running mode to **DMX** as explained in “*DMX Control”.*
   b) Select an auto or custom program as explained in “*Auto Programs*”, or a static mix of colors.
2) Set each of the slave units:
   a) Go to ***RUN***.
   b) Select **SLAVE**.

- **The master unit is the fixture that is set to run a program, whether Auto or Custom, or to operate in Static mode.**
- **Do not connect a DMX controller to the master or slave fixtures.**
- **The master unit should be the first in the DMX string.**

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Color Settings

The ***COLOR*** setting determines how the COLORado™ Batten 144 Tour generates the white color based on various RGB settings.

1) Go to ***SETTINGS***.
2) Select ***COLOR***.
3) Select **OFF**, **RGBTOW**, or **UC**.

OFF: When the RGB faders are all set to "255", the output is maximum, although the resulting white color may not be balanced.

RGBTOW: When the RGB faders are all set to "255", the resulting output is defined by the configured White color (see *RGB to White Settings*).

UC: When the RGB faders are all set to "255", the output matches that of less efficient fixtures (Universal Color).

Dimmer Curves

This setting determines how fast the output of the COLORado™ Batten 144 Tour changes when the operator modifies the values of the Red, Green, Blue, White, Amber, and Dimmer faders.

1) Go to ***SETTINGS***.
2) Select ***DIMMER***.
3) Select a dimmer curve (**OFF**, **DIM1**, **DIM2**, **DIM3**, or **DIM4**).

OFF: The output is proportional (linear) to the Dimmer and RGBWA channel values.

DIM1~4: The output follows the Dimmer and RGBWA channel values based on the corresponding dimmer curve, being **DIM1** the fastest and **DIM4** the slowest.

Control Panel Lock

This setting allows the user to activate or disable the control panel lock, which keeps non-authorized personnel from changing the fixture's settings.

1) Go to ***KEYLOCK***.
2) Select **ON** or **OFF**.

When the control panel lock is active, the fixture will prompt the user to enter the password after 30 seconds of control panel inactivity or after turning on the fixture.

After being prompted to enter the password:

Press **<UP>**, **<DOWN>**, **<UP>**, **<DOWN>**, and **<ENTER>**.

Fan Setting

1) Press **<MENU>** repeatedly until ***FANS*** shows, and press **<ENTER>** to accept.
2) Use **<UP>** or **<DOWN>** to select a setting (**OFF**, **LOW**, **NORMAL**, **HIGH**, or **AUTO**).
3) Press **<MENU>** to exit once done.

- **When in AUTO, the fan speed automatically changes so the fixture's temperature does not exceed the maximum allowed value.**
- **When in the other settings, the fan speed follows the predefined values.**
- **The internal controller will override any manual setting if the internal temperature rises above a certain level.**

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Program Upload

This option allows the user to copy the custom programs of one COLORado™ Batten 144 Tour fixture onto other COLORado™ Batten 144 Tour fixtures by using the Master/Slave method.

1) Configure and connect the fixtures in a Master/Slave arrangement, where the master unit has the custom programs you want to transfer onto the slave units.
2) At the master unit, go to ***SETTINGS***.
3) Select ***UPLOAD***.
4) When ***PASSWORD*** shows, press **<ENTER>**.
5) At the blinking cursor, enter the master access password as shown in *Control Panel Lock*.
6) **SEND** will show, indicating that the upload has started.
7) Wait for the upload process to finish (the display will show **MAIN**) before continuing or turning the fixtures off.

During and after the upload, the master and slave units will visually indicate the status of the process, as follows:

- **Yellow means that the upload is running.**
- **Red means that the upload failed due to an error.**
- **Green means that the upload completed successfully.**

DO NOT upload the program from a COLORado™ Batten 144 Tour onto a different fixture. Otherwise, you could render the other fixture inoperative.

Reset

This setting allows the user to reset the COLORado™ Batten 144 Tour fixture to its default values, including the custom programs.

1) Go to ***SETTINGS***.
2) Select **RESET**.
3) When ***PASSWORD*** shows, press **<ENTER>**.
5) Enter the master access password as shown in *Control Panel Lock*.
4) Wait for the reset process to finish.

Default Values

Parameter	Default Value	Parameter	Default Value
STAT	**R/G/B/W/A/S.000**	***COLO***	**UC**
AUTO	**AUTO01**	***EDIT***	**PR.01/SC.01**
ADDR	**DMX.001**	**CAL1**	**WH.01**
RUN	**DMX**	***RGB.W***	**R/G/B.255**
PERS	**TOUR**	***FANS***	**LOW**
DIM	**DIM4**	***KEYLOCK***	**OFF**

Color Macro Adjustment

This setting allows the user to select and edit the temperature of the white colors used in channel 7 (Macros) when in the **TOUR** personality.

1) Go to ***CALIB1***.
2) Select a white color (**WHITE1~11**).
3) Select a color (***RED***, ***GREN***, ***BLUE***, ***WHIT***, or ***AMBE***).
4) Select a color value (**0~255**).
5) Repeat for the other colors.

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RGBW to White Setting

This setting allows the user to define the maximum RGB values when RGB to White (**RGBTOW**) is active.

1) Go to ***CALIB2***.
2) Press **<ENTER>** when you see **RGBTOW** on the display.
3) Select a color (***RED***, ***GREN***, or ***BLUE***).
4) Select a color value (**0~255**).
5) Repeat for the other colors.

When selecting *RGB TO W*, you will only be able to define the values of *RED*, *GREEN,* and *BLUE*.

The values of *RED, GREEN, and BLUE* configured from *CALIB2* > *RGBTOW* will define the color temperature shown when the RGB faders are set to "255" if *SETTINGS* > *COLOR* > *RGBTOW* is active.

TOUR Notes

These notes intent to clarify the way the **TOUR** DMX personality works.

Master Dimmer

- Channel 1 controls the intensity of the currently projected color.
- When the slider is at the highest position (**255**) the intensity of the output is at its maximum.

Red, Green, Blue White, and Amber Color Selection

- Channels 2 through 6 control the intensity ratio of each of the Red, Green, Blue, White, and Amber LEDs.
- When the fader is at the highest position (**255**), the intensity of each color is at its maximum if ***SETTINGS* > *COLOR*** is **OFF**.
- You can combine channels 2 through 6 to create over one trillion colors.

Color Macros

- Channel 7 selects the required Color Macro.
- Channel 7 has priority over channels 2 through 6.
- Channel 1 controls the intensity of the Color Macro.

Strobe

- Channel 8 controls the strobe frequency (not the intensity) of channels 2 through 7.
- Channel 8 can strobe channels 2 through 6 when not running macros, allowing the individual faders (R, G, B, W, and A) as well as channel 1 (D) to control the output intensity.
- Channel 8 can strobe channel 7 when running macros, allowing channel 7 to select the macro and channel 1 to control the output intensity.

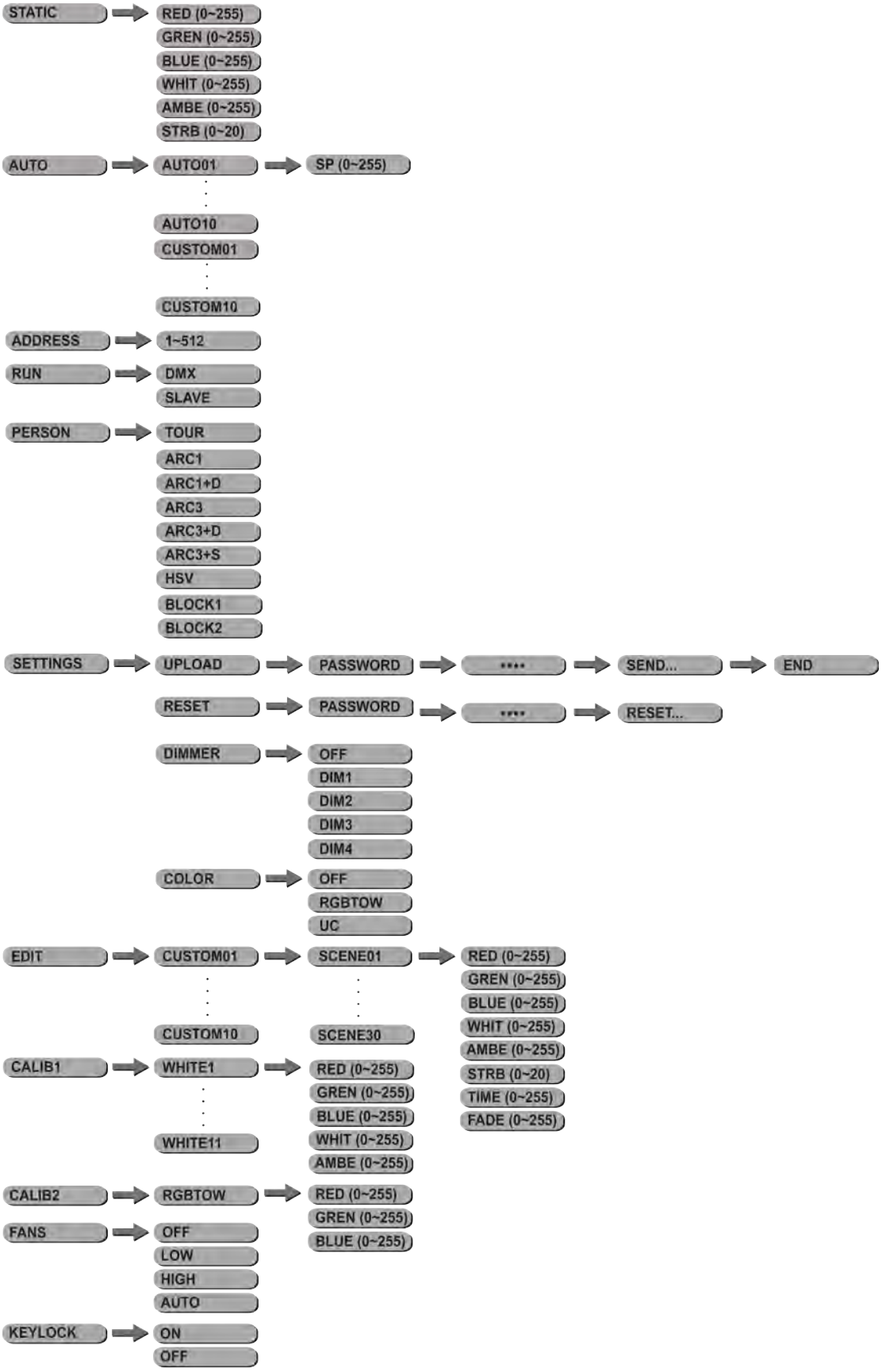
Auto/Custom/Fan

- Channel 9 selects the preset auto programs **AUTO01~10** or the custom programs **CUSTOM01~10** as well as the fan speed.
- When activating the custom Auto programs **CUSTOM01~10**, it is possible to control the Step Time and Fade Time using channels 2 and 3 respectively.
- Channel 9 has priority over channels 2 through 8.
- Channel 10 controls the speed at which each auto programs plays.

Dimmer Speed

- Channel 10 selects the dimmer mode and speed. When ***DIMMER*** is set to **OFF,** the changes in the RGBWA and Master Dimmer faders are linear. Otherwise, **DIM1** is the fastest dimmer curve, while **DIM4** is the slowest.

Menu Map


STATIC
RED (0~255)
GREN (0~255)
BLUE (0~255)
WHIT (0~255)
AMBE (0~255)
STRB (0~20)
AUTO
AUTO01
SP (0~255)
AUTO10
CUSTOM01
CUSTOM10
ADDRESS
1~512
RUN
DMX
SLAVE
PERSON
TOUR
ARC1
ARC1+D
ARC3
ARC3+D
ARC3+S
HSV
BLOCK1
BLOCK2
SETTINGS
UPLOAD
PASSWORD
****
SEND...
END
RESET
PASSWORD
****
RESET...
DIMMER
OFF
DIM1
DIM2
DIM3
DIM4
COLOR
OFF
RGBTOW
UC
EDIT
CUSTOM01
SCENE01
RED (0~255)
GREN (0~255)
BLUE (0~255)
WHIT (0~255)
AMBE (0~255)
STRB (0~20)
TIME (0~255)
FADE (0~255)
CUSTOM10
SCENE30
CALIB1
WHITE1
RED (0~255)
GREN (0~255)
BLUE (0~255)
WHIT (0~255)
AMBE (0~255)
WHITE11
CALIB2
RGBTOW
RED (0~255)
GREN (0~255)
BLUE (0~255)
FANS
OFF
LOW
HIGH
AUTO
KEYLOCK
ON
OFF

DMX Values

TOUR

Channel	Function	Value	Percent/Setting
1	**Master Dimmer**	000 ó 255	0~100%
2	**Red**	000 ó 255	0~100%
	Step Time		(Only if running Custom programs)
3	**Green**	000 ó 255	0~100%
	Fade Time		(Only if running Custom programs)
4	**Blue**	000 ó 255	0~100%
5	**White**	000 ó 255	0~100%
6	**Amber**	000 ó 255	0~100%
7	**Color Macro + White Balance**	000 ó 010	No function
		011 ó 030	R: 100% G: Up B: 0%
		031 ó 050	R: Down G: 100% B: 0%
		051 ó 070	R: 0% G: 100% B: Up
		071 ó 090	R: 0% G: Down B: 100%
		091 ó 110	R: Up G: 0% B: 100%
		111 ó 130	R: 100% G: 0% B: Down
		131 ó 150	R: 100% G: Up B: Up
		151 ó 170	R: Down G: Down B: 100%
		171 ó 200	R / G / B / W / A: 100%
		201 ó 205	White 1: 3200 K
		206 ó 210	White 2: 3400 K
		211 ó 215	White 3: 4200 K
		216 ó 220	White 4: 4900 K
		221 ó 225	White 5: 5600 K
		226 ó 230	White 6: 5900 K
		231 ó 235	White 7: 6500 K
		236 ó 240	White 8: 7200 K
		241 ó 245	White 9: 8000 K
		246 ó 250	White 10: 8500 K
		251 ó 255	White 11: 10,000 K
8	**Strobe**	000 ó 009	No function
		010 ó 255	1~20 Hz
9	**Auto + Custom Programs + Fan Control**	000 ó 010	No function
		011 ó 020	Fans Off (Hold for 3 s)
		021 ó 025	Fans Low (Hold for 3 s)
		026 ó 030	Fans High (Hold for 3 s)
		031 ó 040	Fans Auto (Hold for 3 s)
		041 ó 050	Auto 1
		051 ó 060	Auto 2
		061 ó 070	Auto 3
		071 ó 080	Auto 4
		081 ó 090	Auto 5
		091 ó 100	Auto 6
		101 ó 110	Auto 7
		111 ó 120	Auto 8
		121 ó 130	Auto 9
		131 ó 140	Auto 10
		141 ó 150	Custom 1
		151 ó 160	Custom 2
		161 ó 170	Custom 3
		171 ó 180	Custom 4
		181 ó 190	Custom 5
		191 ó 200	Custom 6
		201 ó 210	Custom 7
		211 ó 220	Custom 8
		221 ó 230	Custom 9
		231 ó 255	Custom 10

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TOUR (Cont.)

Channel	Function	Value	Percent/Setting
10	**Auto Speed**	000 ó 255	0~100%
11	**Dimmer Speed**	000 ó 009	Dimmer speed as per Control Panel
		010 ó 029	Linear dimmer
		030 ó 069	Non-linear dimmer 1 (fastest)
		070 ó 129	Non-linear dimmer 2
		130 ó 189	Non-linear dimmer 3
		190 ó 255	Non-linear dimmer 4 (slowest)
12	**Block Selection**	000 ó 004	Blocks 1, 2, & 3
		005 ó 034	Block 1
		035 ó 064	Block 2
		065 ó 094	Block 3
		095 ó 124	Blocks 1 & 2
		125 ó 154	Blocks 2 & 3
		155 ó 184	Blocks 1 & 3
		185 ó 214	Blocks 1, 2, & 3
		215 ó 255	No Function

ARC1

Channel	Function	Value	Percent/Setting
1	**Red**	000 ó 255	0~100%
2	**Green**	000 ó 255	0~100%
3	**Blue**	000 ó 255	0~100%

ARC1 + D

Channel	Function	Value	Percent/Setting
1	**Master Dimmer**	000 ó 255	0~100%
2	**Red**	000 ó 255	0~100%
3	**Green**	000 ó 255	0~100%
4	**Blue**	000 ó 255	0~100%

ARC3

Channel	Function	Value	Percent/Setting
1	**Red**	000 ó 255	0~100%
2	**Green**	000 ó 255	0~100%
3	**Blue**	000 ó 255	0~100%
4	**White**	000 ó 255	0~100%
5	**Amber**	000 ó 255	0~100%

ARC3+D

Channel	Function	Value	Percent/Setting
1	**Master Dimmer**	000 ó 255	0~100%
2	**Red**	000 ó 255	0~100%
3	**Green**	000 ó 255	0~100%
4	**Blue**	000 ó 255	0~100%
5	**White**	000 ó 255	0~100%
6	**Amber**	000 ó 255	0~100%

ARC3+S

Channel	Function	Value	Percent/Setting
1	Master Dimmer	000 ó 255	0~100%
2	Red	000 ó 255	0~100%
3	Green	000 ó 255	0~100%
4	Blue	000 ó 255	0~100%
5	White	000 ó 255	0~100%
6	Amber	000 ó 255	0~100%
7	Strobe	000 ó 009 010 ó 255	No Function 0~20 Hz

BLOCK1

Channel	Function	Value	Percent/Setting
1	Block 1 Red	000 ó 255	0~100%
2	Block 1 Green	000 ó 255	0~100%
3	Block 1 Blue	000 ó 255	0~100%
4	Block 2 Red	000 ó 255	0~100%
5	Block 2 Green	000 ó 255	0~100%
6	Block 2 Blue	000 ó 255	0~100%
7	Block 3 Red	000 ó 255	0~100%
8	Block 3 Green	000 ó 255	0~100%
9	Block 3 Blue	000 ó 255	0~100%

BLOCK2

Channel	Function	Value	Percent/Setting
1	Block 1 Red	000 ó 255	0~100%
2	Block 1 Green	000 ó 255	0~100%
3	Block 1 Blue	000 ó 255	0~100%
4	Block 1 White	000 ó 255	0~100%
5	Block 1 Amber	000 ó 255	0~100%
6	Block 2 Red	000 ó 255	0~100%
7	Block 2 Green	000 ó 255	0~100%
8	Block 2 Blue	000 ó 255	0~100%
9	Block 2 White	000 ó 255	0~100%
10	Block 2 Amber	000 ó 255	0~100%
11	Block 3 Red	000 ó 255	0~100%
12	Block 3 Green	000 ó 255	0~100%
13	Block 3 Blue	000 ó 255	0~100%
14	Block 3 White	000 ó 255	0~100%
15	Block 3 Amber	000 ó 255	0~100%

HSV

Channel	Function	Value	Percent/Setting
1	Hue	000 ó 255	0~100%
2	Saturation	000 ó 255	0~100%
3	Value	000 ó 255	0~100%

5. Technical Information

Fixture Maintenance

To maintain optimum performance and minimize wear, the user should clean this product frequently. Usage and environment are contributing factors in determining the cleaning frequency.

As a rule, the user should clean this product at least twice a month. Dust build up reduces light output performance and can cause overheating. This can lead to reduced light source life and increased mechanical wear.

To clean a fixture, follow the recommendations below:

- Unplug the fixture from power.
- Wait until the fixture is cold.
- Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external vents and accessible internal components.
- Clean the LED lens cover with a mild solution of non-ammonia glass cleaner or isopropyl alcohol.
- Apply the solution directly to a soft, lint-free cotton cloth or a lens cleaning tissue.
- Drag any dirt or grime to the outside of the LED lens cover.
- Gently polish the LED lens cover until it is free of haze and lint.

Always dry the LED lens cover carefully after cleaning it.

Refrain from spinning this product's fan using compressed air.

Troubleshooting Guide

Symptom	Cause(s)	Action(s)
General low intensity	Incorrect COLOR setting	Verify COLOR setting on Control Panel
	Incorrect Macro or RGB to White settings	Verify CALIB1 and CALIB2 on Control Panel
	Dirty LED lens cover	Clean LED lens cover
	Misaligned LED lenses	Realign the LED lenses
Single LED does not illuminate	Faulty LED Faulty LED board Faulty LED Driver board	Send unit for repair
A group of LEDs does not illuminate	Incorrect color control	Check color fader (DMX controller) or color settings (control panel)
	Faulty LED board	Send unit for repair
	Faulty LED Driver board	Send unit for repair
	Faulty wiring	Send unit for repair
None of the LEDs illuminate	Faulty LED board Faulty LED Driver board Faulty Main board	Send unit for repair
Circuit breaker/fuse keeps tripping/blowing	Excessive circuit load	Reduce total load placed on the electrical circuit
	Short circuit along the power wires	Check electrical wiring
Fixture does not power up	No power	Check for voltage on outlet
	Loose or damaged power cord	Check power cord
	Blown fuse	Replace fuse (F 3.15 A @ 250 V)
	Faulty internal power supply	Send unit for repair
Fixture does not respond to DMX or responds erratically	Wrong DMX addressing	Check unit addressing
	Damaged DMX cables	Check DMX cables
	Wrong polarity on the controller	Check polarity switch settings on the controller
	Loose DMX cables	Check cable connections
	Non DMX cables	Use only DMX compatible cables
	Bouncing signals	Install terminator
	Long cable / low level signal	Install an optically coupled DMX splitter before a long section of cable or right after the fixture with the strong signal
	Too many fixtures	Install an optically coupled DMX splitter after unit #32
	Interference from AC wires	Keep DMX cables separated from power cables or fluorescent/black lights
	Faulty DMX interface	Send unit for repair
	Faulty Main board	Send unit for repair

If you still experience technical problems after trying the above solutions or you need to send the unit for repair, contact CHAUVET® Technical Support.

Returns Procedure

The user must send the merchandise prepaid, in the original box, and with its original packing and accessories. CHAUVET® will not issue call tags.

Call CHAUVET® and request a Return Merchandise Authorization (RMA) number before shipping the fixture. Be prepared to provide the model number, serial number, and a brief description of the cause for the return.

The user must clearly label the package with a Return Merchandise Authorization (RMA) number. CHAUVET® will refuse any product returned without an RMA number.

DO NOT write the RMA number directly on the box. Instead, write it on a properly affixed label.

Once you have received the RMA number please include the following information on a piece of paper inside the box:

- Your name
- Your address
- Your phone number
- The RMA number
- A brief description of the problem

Be sure to pack the fixture properly. Any shipping damage resulting from inadequate packaging will be the customer's responsibility. As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

CHAUVET® reserves the right to use its own discretion to repair or replace returned product(s).

Claims

The carrier is responsible for any damage incurred during shipping to this product or any part that shipped with it. Therefore, if the received merchandise appears to have damages caused during shipping, the customer must submit the damage report and any related claims with the carrier, not CHAUVET®. The customer must submit the report upon reception of the damaged merchandise. Failure to do so in a timely manner may invalidate the customer's claim with the carrier.

For other issues such as missing components or parts, damage not related to shipping, or concealed damage, the customer must make claims to CHAUVET® within seven (7) days of receiving the merchandise.

Contact Us

World Headquarters

CHAUVET®

General Information

Address:	5200 NW 108th Avenue Sunrise, FL 33351
Voice:	(954) 929-1115
Fax:	(954) 929-5560
Toll free:	(800) 762-1084

Technical Support

Voice:	(954) 929-1115 (Press **4**)
Fax:	(954) 756-8015

World Wide Web

www.chauvetlighting.com

United Kingdom & Ireland

CHAUVET® Europe Ltd.

General Information

Address:	Unit 1C Brookhill Road Industrial Estate Pinxton, Nottingham, UK NG16 6NT
Voice:	+44 (0)1773 511115
Fax:	+44 (0)1773 511110
Email:	uktech@chauvetlighting.com

World Wide Web

www.chauvetlighting.co.uk

Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
39.3 in (998 mm)	5.2 in (132 mm)	8.2 in (209 mm)	19.60 lbs (8.89 kg)

Note: Dimensions in inches rounded to the nearest decimal digit.

Electrical

Power Supply Type	Range	Voltage Selection
Switching (internal)	100~240 V, 50/60 Hz	Auto-ranging

Parameter	120 V, 60 Hz	230 V, 50 Hz
Consumption	181 W (1.52 A)	169 W (0.79 A)
Inrush current	1.9 A	1.0 A

Power I/O	Input	Output
Connectors	Neutrik® powerCON® A	Neutrik® powerCON® B
Cord plug	Edison	N/A

Light Source

Type	Power	Lifespan
LED (144)	1 W	50,000 hours

Color	Quantity	Current
Red	36	350 mA
Green	36	350 mA
Blue	36	350 mA
White	18	350 mA
Amber	18	350 mA

Photo Optic

Parameter	Standard 15º + 30º Optics
Illuminance @ 5 m	2,000 lx
Beam angle	15.5º
Field angle	34.6º

Thermal

Max. External Temperature	Cooling System
104° F (40° C)	Fan

DMX

I/O Connectors	Connector Type	Channel Range
3- & 5-pin XLR	Sockets	3, 4, 5, 6, 7, 9, 12, 15

Ordering

COLORado™ Batten 144 Tour	20-pc 30º LED Lens Kit	24-pc 15º LED Lens Kit
01030105	01110081	01110082

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It's Green Thinking